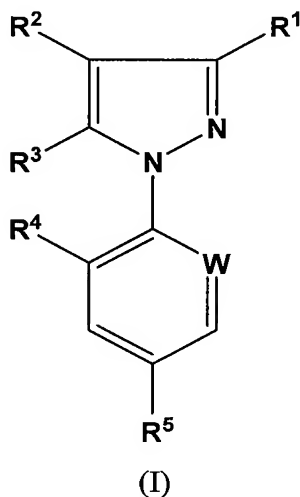


Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

1.-12. (Canceled)

13. (Currently amended) A compound as defined by formula (I), or a salt thereof,



wherein

- i. R^1 is CO_2R^8 ;
 R^2 is H or S(O)_mR^9 , wherein m is 0, 1 or 2;
W is C-halogen or N;
 R^3 is $\text{NR}^{10}R^{11}$, halogen, OH, $(\text{C}_1\text{-C}_6)\text{-alkoxy}$, $(\text{C}_2\text{-C}_6)\text{-alkenyloxy}$ or $(\text{C}_2\text{-C}_6)\text{-alkynyloxy}$;
 R^4 is H[,] or halogen;
 R^5 is $(\text{C}_1\text{-C}_4)\text{-haloalkyl}$ or $(\text{C}_1\text{-C}_4)\text{-haloalkoxy}$;
 R^8 is H; and
 R^9 is $(\text{C}_2\text{-C}_6)\text{-alkyl}$ or $(\text{C}_1\text{-C}_6)\text{-haloalkyl}$;

or

- ii. R^1 is CONR^6R^7 ;
 R^6 is (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, (C₁-C₆)-alkoxy-(C₁-C₆)-alkyl, (C₂-C₆)-alkenyl, (C₂-C₆)-haloalkenyl, (C₂-C₆)-alkynyl, (C₂-C₆)-haloalkynyl, (C₃-C₇)-cycloalkyl, (C₃-C₇)-cycloalkyl-(C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, (C₁-C₆)-alkylthio, $(\text{CH}_2)_nR^{12}$, $(\text{CH}_2)_pR^{13}$, (C₁-C₆)-alkyl-CN, (C₁-C₆)-alkyl-NR¹⁰R¹¹ or (C₁-C₆)-alkyl-S(O)_rR⁹;
 R^7 is H, (C₁-C₆)-alkyl, (C₃-C₆)-alkenyl or C₃-C₆-alkynyl; or
 R^6 and R^7 together with the attached N atom form a five- or six-membered saturated ring which optionally contains an additional hetero atom in the ring which is selected from O, S and N, the ring being unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkyl and (C₁-C₆)-haloalkyl; and
 R^2 , R^3 , R^4 , R^5 , R^7 , R^9 and W are as defined above;
 R^{10} and R^{11} are each independently H, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, (C₂-C₆)-alkenyl, (C₂-C₆)-haloalkenyl, (C₂-C₆)-alkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₆)-alkyl, COR¹⁴ or CO₂R¹⁵; or
 R^{10} and R^{11} together with the attached N atom form a five- or six-membered saturated ring which optionally contains an additional hetero atom in the ring which is selected from O, S and N, the ring being unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkyl and (C₁-C₆)-haloalkyl;
 R^{12} is phenyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, (C₁-C₆)-alkoxy, (C₁-C₆)-haloalkoxy, CO₂R¹⁶, CN, NO₂, S(O)_qR⁹, COR¹⁶, CONR¹⁶R¹⁷, NR¹⁶R¹⁷ and OH;
 R^{13} is heterocyclyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₄)-alkyl, (C₁-C₄)-haloalkyl, (C₁-C₄)-alkoxy, (C₁-C₄)-haloalkoxy, NO₂, CN, CO₂R¹⁶, S(O)_qR⁹, OH and oxo;
 R^{14} and R^{15} are each independently H, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, (C₂-C₆)-alkenyl, (C₂-C₆)-haloalkenyl, (C₂-C₆)-alkynyl or (C₁-C₆)-alkoxy-

(C₁-C₄)-alkyl;

R¹⁶ and R¹⁷ are each independently H, (C₁-C₆)-alkyl or (C₁-C₆)-haloalkyl;

q and r are each independently 0, 1 or 2;

n and p are each independently 0, 1, 2, 3 or 4; and

each heterocyclyl in the above-mentioned radicals is independently a heterocyclic radical having 3 to 7 ring atoms and 1, 2 or 3 heteroatoms in the ring selected from the group consisting of N, O and S;

provided that when R¹ is CONR⁶R⁷, then W is C-halogen;

with the exclusion of the compound wherein:

R¹ is CON(CH₃)₂; R² is CF₃S; R³ is OH; R⁴ is Cl; R⁵ is CF₃; and W is C-Cl.

14.-27. (Canceled)

28. (New) The compound of claim 13, wherein W is C-halogen.

29. (New) The compound of claim 28, wherein R⁴ is halogen.

30. (New) The compound of claim 29, wherein

R¹ is CONR⁶R⁷;

W is C-Cl or C-Br

R² is S(O)_mR⁹;

R³ is NR¹⁰R¹¹, halogen, OH, (C₁-C₃)-alkoxy, (C₂-C₆)-alkenyloxy or (C₂-C₆)-alkynyloxy;

R⁴ is Cl or Br;

R⁵ is CF₃ or OCF₃;

R⁶ is H, (C₁-C₄)-alkyl, (C₁-C₄)-haloalkyl, (C₁-C₃)-alkoxy-(C₁-C₃)-alkyl, (C₃-C₄)-alkenyl, (C₃-C₄)-haloalkenyl, (C₃-C₄)-alkynyl, (C₃-C₄)-haloalkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₃)-alkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-alkylthio, (CH₂)_nR¹² or (CH₂)_pR¹⁸;

R⁷ is H, (C₁-C₄)-alkyl, (C₃-C₄)-alkenyl or (C₃-C₄)-alkynyl; or

R⁶ and R⁷ together with the attached N atom form a five- or six-membered saturated ring which optionally contains an additional hetero atom in the ring which is selected from O, S and N, the ring being unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl and (C₁-C₃)-haloalkyl;

R⁹ is (C₁-C₃)-alkyl or (C₁-C₃)-haloalkyl;

R¹⁰ and R¹¹ are each independently H, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₃-C₄)-alkenyl, (C₃-C₄)-haloalkenyl, (C₃-C₄)-alkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₃)-alkyl, COR¹⁴ or CO₂R¹⁵; or

R¹⁰ and R¹¹ together with the attached N atom form a five- or six-membered saturated ring which optionally contains an additional hetero atom in the ring which is selected from O, S and N; the ring being unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl and (C₁-C₃)-haloalkyl;

R¹² is phenyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, CO₂R¹⁶, CN, NO₂, S(O)_qR⁹, COR¹⁶, CONR¹⁶R¹⁷, NR¹⁶R¹⁷ and OH;

R¹³ is heterocyclyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, NO₂, CN, CO₂R¹⁶, S(O)_qR⁹, OH and oxo;

R¹⁴ and R¹⁵ are each independently H, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₂-C₃)-alkenyl, (C₂-C₃)-haloalkenyl, (C₂-C₃)-alkynyl or (C₁-C₆)-alkoxy-(C₁-C₄)-alkyl;

R¹⁶ and R¹⁷ are each independently H, (C₁-C₃)-alkyl or (C₁-C₃)-haloalkyl; and each heterocyclyl in the above-mentioned radicals is independently a heterocyclic radical having 3 to 6 ring atoms and 1, 2 or 3 hetero atoms in the ring selected from the group consisting of N, O and S.

31. (New) The compound of claim 30, wherein R⁹ is CF₃.

32. (New) The compound of claim 29, wherein W is C-Cl, R⁴ is Cl, and R⁵ is CF₃.

33. (New) The compound of claim 32, wherein

R^1 is CONR^6R^7 ;

W is C-Cl;

R^2 is H or $\text{S(O)}_m\text{R}^9$;

R^3 is $\text{NR}^{10}\text{R}^{11}$, halogen, OH or (C₁-C₃)-alkoxy;

R^4 is Cl;

R^5 is CF₃;

R^6 is H, (C₁-C₄)-alkyl, (C₁-C₃)-alkoxy-(C₁-C₂)-alkyl, (C₃-C₄)-alkenyl, (C₃-C₄)-alkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₂)-alkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-alkylthio, $(\text{CH}_2)_n\text{R}^{12}$ or $(\text{CH}_2)_p\text{R}^{13}$;

R^7 is H, (C₁-C₃)-alkyl, (C₃-C₄)-alkenyl or (C₃-C₄)-alkynyl;

R^9 is methyl, ethyl or CF₃;

R^{10} and R^{11} are each independently H, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₃-C₄)-alkenyl, (C₃-C₄)-haloalkenyl, (C₃-C₄)-alkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₃)-alkyl, COR¹⁴ or CO₂R¹⁵; or

R^{12} is phenyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, CO₂R¹⁶, CN and NO₂;

R^{13} is heterocyclyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, NO₂, CN, CO₂R¹⁶, S(O)_qR⁹, OH and oxo;

R^{14} and R^{15} are each independently (C₁-C₃)-alkyl;

R^{16} and R^{17} are each independently H or (C₁-C₃)-alkyl; and

each heterocyclyl in the above-mentioned radicals is independently a heterocyclic radical having 3 to 6 ring atoms and 1, 2 or 3 hetero atoms in the ring selected from the group consisting of N, O and S.

34. (New) The compound of claim 32, wherein

R^1 is CONR^6R^7 ;

R^2 is H or $\text{S(O)}_m\text{R}^9$;

R^3 is NHR^{10} ;

R^6 is H, (C_1-C_5) -alkyl, (C_1-C_2) -alkoxy- (C_1-C_2) -alkyl, (C_3-C_4) -alkenyl, (C_3-C_4) -alkynyl, (C_3-C_6) -cycloalkyl, (C_3-C_6) -cycloalkyl- (C_1-C_2) -alkyl, furfuryl or tetrahydrofurfuryl;

R^7 is H or (C_1-C_3) -alkyl;

R^9 is methyl, ethyl or CF_3 ; and

R^{10} is H, methyl or ethyl.

35. (New) The compound of claim 32, wherein

R^1 is CO_2R^8 ,

R^2 is H, or $S(O)_mR^9$;

R^3 is $NR^{10}R^{11}$;

R^8 is H, methyl or ethyl;

R^9 is methyl, ethyl or CF_3 ;

R^{10} is H, methyl or ethyl; and

R^{11} is H.

36. (New) The compound of claim 32, wherein

R^1 is $CONR^6R^7$;

R^2 is $S(O)_mCF_3$;

R^3 is $NR^{10}R^{11}$, halogen, OH or (C_1-C_2) -alkyl;

R^6 is H or (C_1-C_3) -alkylthio;

R^7 is H;

R^{10} is (C_1-C_3) -alkyl, COR^{14} or CO_2R^{15} ;

R^{11} , R^{14} and R^{15} are each independently (C_1-C_3) -alkyl.

37. (New) A method for growth regulation in field crop plants, which comprises applying to the site where the action is desired an effective amount of a compound of claim 13 or an agriculturally acceptable salt thereof.

38. (New) The method of claim 37, wherein said site is selected from the group consisting of plants, seeds, and a loci from which said plants and seeds grow.

39. (New) The method of claim 37, wherein said effective amount is a non-phytotoxic amount.

40. (New) The method of claim 39 that results in a yield increase of at least 10% concerning the plants to which it is applied.

41. (New) The method of claim 37, wherein

R^1 is $CONR^6R^7$;

W is C-Cl or C-Br

R^2 is $S(O)_mR^9$;

R^3 is $NR^{10}R^{11}$, halogen, OH, (C₁-C₃)-alkoxy, (C₂-C₆)-alkenyloxy or (C₂-C₆)-alkynyloxy;

R^4 is Cl or Br;

R^5 is CF₃ or OCF₃;

R^6 is H, (C₁-C₄)-alkyl, (C₁-C₄)-haloalkyl, (C₁-C₃)-alkoxy-(C₁-C₃)-alkyl, (C₃-C₄)-alkenyl, (C₃-C₄)-haloalkenyl, (C₃-C₄)-alkynyl, (C₃-C₄)-haloalkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₃)-alkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-alkylthio, $(CH_2)_nR^{12}$ or $(CH_2)_pR^{18}$;

R^7 is H, (C₁-C₄)-alkyl, (C₃-C₄)-alkenyl or (C₃-C₄)-alkynyl; or

R^6 and R^7 together with the attached N atom form a five- or six-membered saturated ring which optionally contains an additional hetero atom in the ring which is selected from O, S and N, the ring being unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl and (C₁-C₃)-haloalkyl;

R^9 is (C₁-C₃)-alkyl or (C₁-C₃)-haloalkyl;

R^{10} and R^{11} are each independently H, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₃-C₄)-alkenyl, (C₃-C₄)-haloalkenyl, (C₃-C₄)-alkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₃)-alkyl, COR¹⁴ or CO₂R¹⁵; or

R¹⁰ and R¹¹ together with the attached N atom form a five- or six-membered saturated ring which optionally contains an additional hetero atom in the ring which is selected from O, S and N; the ring being unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl and (C₁-C₃)-haloalkyl;

R¹² is phenyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, CO₂R¹⁶, CN, NO₂, S(O)_qR⁹, COR¹⁶, CONR¹⁶R¹⁷, NR¹⁶R¹⁷ and OH;

R¹³ is heterocyclyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, NO₂, CN, CO₂R¹⁶, S(O)_qR⁹, OH and oxo;

R¹⁴ and R¹⁵ are each independently H, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₂-C₃)-alkenyl, (C₂-C₃)-haloalkenyl, (C₂-C₃)-alkynyl or (C₁-C₆)-alkoxy-(C₁-C₄)-alkyl;

R¹⁶ and R¹⁷ are each independently H, (C₁-C₃)-alkyl or (C₁-C₃)-haloalkyl; and each heterocyclyl in the above-mentioned radicals is independently a heterocyclic radical having 3 to 6 ring atoms and 1, 2 or 3 hetero atoms in the ring selected from the group consisting of N, O and S.

42. (New) The method of claim 37, wherein

R¹ is CONR⁶R⁷;

W is C-Cl;

R² is H, or S(O)_mR⁹;

R³ is NR¹⁰R¹¹, halogen, OH or (C₁-C₃)-alkoxy;

R⁴ is Cl;

R⁵ is CF₃;

R⁶ is H, (C₁-C₄)-alkyl, (C₁-C₃)-alkoxy-(C₁-C₂)-alkyl, (C₃-C₄)-alkenyl, (C₃-C₄)-alkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₂)-alkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-alkylthio, (CH₂)_nR¹² or (CH₂)_pR¹³;

R⁷ is H, (C₁-C₃)-alkyl, (C₃-C₄)-alkenyl or (C₃-C₄)-alkynyl;

R⁹ is methyl, ethyl or CF₃;

R^{10} and R^{11} are each independently H, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₃-C₄)-alkenyl, (C₃-C₄)-haloalkenyl, (C₃-C₄)-alkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₃)-alkyl, COR¹⁴ or CO₂R¹⁵; or

R^{12} is phenyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, CO₂R¹⁶, CN and NO₂;

R^{13} is heterocyclyl unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C₁-C₃)-alkyl, (C₁-C₃)-haloalkyl, (C₁-C₃)-alkoxy, (C₁-C₃)-haloalkoxy, NO₂, CN, CO₂R¹⁶, S(O)_qR⁹, OH and oxo;

R^{14} and R^{15} are each independently (C₁-C₃)-alkyl;

R^{16} and R^{17} are each independently H or (C₁-C₃)-alkyl; and

each heterocyclyl in the above-mentioned radicals is independently a heterocyclic radical having 3 to 6 ring atoms and 1, 2 or 3 hetero atoms in the ring selected from the group consisting of N, O and S.

43. (New) The method of claim 37, in which

R^1 is CONR⁶R⁷;

W is C-Cl;

R^2 is H or S(O)_mR⁹;

R^3 is NHR¹⁰;

R^4 is Cl;

R^5 is CF₃;

R^6 is H, (C₁-C₅)-alkyl, (C₁-C₂)-alkoxy-(C₁-C₂)-alkyl, (C₃-C₄)-alkenyl, (C₃-C₄)-alkynyl, (C₃-C₆)-cycloalkyl, (C₃-C₆)-cycloalkyl-(C₁-C₂)-alkyl, furfuryl or tetrahydrofurfuryl;

R^7 is H or (C₁-C₃)-alkyl;

R^9 is methyl, ethyl or CF₃; and

R^{10} is H, methyl or ethyl.

44. (New) The method of claim 37, in which

R^1 is CO₂R⁸,

W is C-Cl;
R² is H, or S(O)_mR⁹;
R³ is NR¹⁰R¹¹;
R⁴ is Cl;
R⁵ is CF₃;
R⁸ is H, methyl or ethyl;
R⁹ is methyl, ethyl or CF₃;
R¹⁰ is H, methyl or ethyl; and
R¹¹ is H.

45. (New) The method of claim 37, in which

R¹ is CONR⁶R⁷;
W is C-Cl;
R² is S(O)_mCF₃;
R³ is NR¹⁰R¹¹, halogen, OH or (C₁-C₂)-alkyl;
R⁴ is Cl;
R⁵ is CF₃;
R⁶ is H or (C₁-C₃)-alkylthio;
R⁷ is H;
R¹⁰ is (C₁-C₃)-alkyl, COR¹⁴ or CO₂R¹⁵;
R¹¹, R¹⁴ and R¹⁵ are each independently (C₁-C₃)-alkyl.

46. (New) A composition for plant growth regulation, comprising one or more compounds of formula (I) as defined in claim 13 or an agriculturally acceptable salt thereof, and one or more carriers or surfactants, or mixtures thereof, useful for plant protection formulations.

47. (New) The composition of claim 46, further comprising one or more active compounds selected from the group consisting of acaricides, fungicides, herbicides, insecticides, nematocides and plant growth regulating substances.

48. (New) The method of claim 37, wherein the plant is a monocotyledoneous or dicotyledoneous crop plant.

49. (New) The method of claim 37, wherein the plant is selected from the group consisting of wheat, barley, rye, triticale, rice, maize, sugar beet, cotton, and soybeans.